

Eastman Eastar GN119 Copolyester

Category : Polymer , Thermoplastic , Polyester, TP

Material Notes:

Applications: Personal care and Cosmetics
 Product Description: Eastar GN119 Copolyester is a low-I.V. PETG, for sale only in Asia as a high-flow formulation. This product has been GREENGUARD INDOOR AIR QUALITY CERTIFIED®. Information provided by Eastman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eastman-Eastar-GN119-Copolyester.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.27 g/cc	1.27 g/cc	ASTM D792
Linear Mold Shrinkage	0.0020 - 0.0050 cm/cm	0.0020 - 0.0050 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	107	107	ASTM D785
Tensile Strength at Break	24.0 MPa	3480 psi	ASTM D638
Tensile Strength, Yield	48.0 MPa	6960 psi	ASTM D638
Elongation at Break	75 %	75 %	ASTM D638
Elongation at Yield	4.0 %	4.0 %	ASTM D638
Flexural Strength	66.0 MPa	9570 psi	ASTM D790
Flexural Modulus	1.90 GPa	276 ksi	ASTM D790
Izod Impact, Notched	0.460 J/cm	0.862 ft-lb/in	ASTM D256
	@Temperature -40.0 °C	@Temperature -40.0 °F	
Izod Impact, Notched	0.840 J/cm	1.57 ft-lb/in	ASTM D256
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Izod Impact, Unnotched	NB	NB	ASTM D4812
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Izod Impact, Unnotched	NB	NB	ASTM D4812
	@Temperature -40.0 °C	@Temperature -40.0 °F	
Puncture Energy	35.0 J	25.8 ft-lb	At Max load; ASTM D3763
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Puncture Energy	44.0 J	32.5 ft-lb	At Max load; ASTM D3763
	@Temperature -40.0 °C	@Temperature -40.0 °F	

Mechanical Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	68.0 °C	154 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	60.0 °C	140 °F	ASTM D648

Optical Properties	Metric	English	Comments
Haze	0.40 %	0.40 %	ASTM D1003
Transmission, Visible	91 %	91 %	Total; ASTM D1003

Processing Properties	Metric	English	Comments
Melt Temperature	249 - 271 °C	480 - 520 °F	
Mold Temperature	16.0 - 38.0 °C	60.8 - 100 °F	
Drying Temperature	71.0 °C	160 °F	
Dry Time	6 hour	6 hour	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China